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Attachment to Z-12939/82

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NPIC/IEG (11/82)

3 NOVEMBER 1982

**HSIUNG-FENG LAND-BASED CRUISE MISSILE (CD) SYSTEM**  
**TAIWAN**

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1. (SWN) **SIGNIFICANCE:** HSIUNG-FENG LAND-BASED CRUISE MISSILE (CD) SYSTEM CONFIRMED AT THE CHUNSHAN INSTITUTE OF SCIENCE AND TECHNOLOGY.
2. (SWN) **REMARKS:** THE HSIUNG-FENG MISSILE IS AN ADAPTATION OF THE DRONE BEE SHIP-BORNE ANTI-SHIP CRUISE MISSILE PRODUCED IN TAIWAN FOR THE TAIWANESE NAVY AND IS BASED ON THE ISRAELI GABRIEL-II MISSILE. THE HSIUNG-FENG LAND-BASED CRUISE MISSILE (CD) SYSTEM, AS OBSERVED [REDACTED] CONSISTS OF THREE TRAILER-MOUNTED DARK-TONED DRONE BEE/GABRIEL-TYPE MISSILE CONTAINER/LAUNCHERS, AN ACQUISITION RADAR, AND A FIRE CONTROL RADAR.

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(SWN) A REVIEW OF IMAGERY REVEALED THAT ELEMENTS OF THE HSIUNG-FENG SYSTEM HAVE BEEN AT THIS INSTITUTE, IN VARYING STAGES OF DEVELOPMENT, SINCE AS EARLY AS 1977. [REDACTED]

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[REDACTED] FIVE ELECTRONICS VAN TRAILERS WERE PARKED ON AN APRON IN THE ELECTRONICS/PRODUCTION RESEARCH AREA. TWO OF THE VANS RESEMBLED THE ACQUISITION AND FIRE CONTROL RADAR VANS NOW ASSOCIATED WITH THE HSIUNG-FENG SYSTEM. [REDACTED]

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[REDACTED] DRONE BEE MISSILE CONTAINER/LAUNCHERS WERE OBSERVED ON AN APRON BETWEEN TWO LABORATORY BUILDINGS IN THE MISSILE APPLICATIONS RESEARCH AREA. IN THE SAME AREA [REDACTED]

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[REDACTED] THE FIRST ASSOCIATION OF THE VAN-MOUNTED FIRE CONTROL RADAR AND THE HSIUNG-FENG LAUNCHER CARRIAGE CHASSIS WAS OBSERVED. [REDACTED], BOTH DARK AND LIGHT-TONED

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DRONE BEE CONTAINER/LAUNCHERS WERE DISCERNIBLE IN THE MISSILE APPLICATIONS RESEARCH AREA. THIS WAS THE FIRST OBSERVATION OF TONAL DIFFERENCES IN DRONE BEE CONTAINER/LAUNCHERS. THE DARK-TONED CONTAINER/LAUNCHERS ARE ASSOCIATED NOW WITH THE LAND-BASED HSIUNG-FENG SYSTEM. WHEREAS THE LIGHT-TONED CONTAINERS HAVE CONSISTENTLY BEEN ASSOCIATED WITH THE NAVAL DRONE BEE SYSTEM. BY FEBRUARY 1982, THE COMPLETED HSIUNG-FENG LAUNCHER CARRIAGE WAS BEING TOWED BY A WHEELED PRIME MOVER AND PARKED WITH ITS ASSOCIATED ELECTRONICS. IN RETROSPECT, THIS WAS THE FIRST TIME THE SYSTEM WAS OBSERVED TOGETHER.

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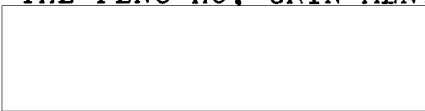
3 NOVEMBER 1982

(SWN) ANALYST COMMENTS: THIS REPRESENTS THE FIRST IDENTIFICATION OF THE HSIUNG-FENG LAND-BASED CRUISE MISSILE (CD) SYSTEM FROM OVERHEAD IMAGERY. HSIUNG-FENG MISSILES, DISPLAYED DURING THE OCTOBER 1978 NATIONAL DAY PARADE BY THE TAIWANESE ARMY, WERE MOUNTED ON A DISPLAY STAND IN THE BACK OF CARGO TRUCKS. THE ACTUAL HSIUNG-FENG LAUNCHERS CARRIAGE WAS NOT COMPLETED UNTIL LATE 1981 AND WAS DISPLAYED IN THE OCTOBER 1981 NATIONAL DAY PARADE.

(SWN) DUE TO THE MISSILES RELATIVELY SHORT RANGE (22 KM) DEPLOYED SITES FOR THE HSIUNG-FENG SYSTEM MAY BE LIMITED TO TAIWANESE HELD ISLANDS IN THE TAIWAN STRAITS, WHICH INCLUDE THE PENG-HU, CHIN-MEN, AND MATSU DEFENSE COMMANDS. 

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